10220 - 10325

THE SPIRAL



NOTE BOOK

200

REG. U. S. PAT. OFF.



A PRODUCT OF WEST DAYFON 2 OHIO

\$5.00 Reward for return to Dr. Arthur Cronquist New York Botanical Gardey Bronx, New York
10458 U.S.A.

10220- Leptember 26,1969 Chilmalua, Medico: Swall in sand dunes 6 miles south of Samala yuca and 38 miles south of Juary. Plants annual. Rays 4-8, mostly 5008, rich lavender peule, stipitate - based, deeply trifid. Elevation about 4400 feel. Palatoxia sphacelata (441) (Nutto) Cory U:587 Palafolia 16

10221- Sept 26.1965 Chilwalua, Maxico. Larres desert 36 miles south of Samalayuca and 68 miles south of Juany. Elevation about advous Habsyellow, Rays mostly & sometimes Pectis papposa Harv.+ Gray Pectis (5)

10222 - Lyst, 27, 1965 Chihuahua, Medico. Rocky, felsitic east slope in deart grassland (above the Lawa Zone), miles north of Parita and 56 miles north of Chihuahua. Elevation about 5100 feet. a single much branched should wearly Im tall. Leaves indiscriminstely apposite or altermate. Heads yellow, with 7-10 (mostly 8) rays. Viguiera cordifolia Gray Viguera (6)

10223 - September 28,1965 Chihuahua, Mexico, Berent Same place as 10222. Items loosely clustered on a fibrous rooted base. Corollas and styles blue-lavender Ageratum corymbosum Zuccagn. ageration (4)

10224 - September 27, 1965 Chihushua, Mexico. Desert grassland (above the Larrea zone), miles north of Parita and 56 miles north of Chihua hua. Elevation about 5100 lect. Rays 21-35, white on top, pinh-lavender beneath , Dish yellow , Aphanostephus arizonicus vel eff. (1) (B) 21-55 achaetegum

10225- depit 27,1965 Roadside weld in desert grassland (above the fare Zane), miles northest Paritioned 56 miles north of Chebreahua Chehreahua, Mexico, Elevationabout 5100 feet, Selected small specimens. Larger plants more freely branched, leafy to mean the top. Headsyellow, Rays 32-58, in several series, becoming reflexed in age. Baileya pleniradiata Harvitheray Baileya plemiadiate (6)

10226 - September 27, 1965 Chihuahua, Mexico. Desert grassland 35 miles north of Chilerakua, Elevation about 5300. Shrubs mostly 4-7 Dr. tall. Heads yellow, Rays 7-16, mostly 8 or 13. Senecio longilobus Benth. Senerio D

10227- Lept. 28, 1965 Chihuahua masico. On west-facing, rocky, allewish slope averlocking a dry wash, with acacia and other desert should, about 23 miles conthest of Chihreahua, Elevation about 5000 feet. Las shows about 5 dm, tall. Heads yellow, Rays 13-17, relatively short. Zexmenia brevifolia A. Gray 2 struenia bourtolia (4)

10228-18/24.28,1865 Chi Rushica, interes Moist swale along the roadsede, 45 miles south. iast of Chehrahua and 2 miles northwest of Mesqui Execution about 3300/est: Pints coloneal by whigures eville ocattered atoms, 1 tenty Heads of law, Ray relatively onemrous, mostly 10-16 Solidago scabrida DC. J. M. J. (15)

10229- April 28 1969 frme & Cary 0010228. Plants operading telow gracend, with widely rollined stems. Dish yellan. Kays 14-24 Lavender Asterpaveiflorus Nott.

Oster (7)

10230 - Aept. 78,1965 Same place as 10228, Sterns solitary or loosely destand, from and leveloped iceping they one, Covalia anastyles blue - Exertuder. Eupatorium betonicifolium Mill-

Eupatariem (5)

10231- April 28.1965 Samplace as 10228 Plants shallow moted annuals, Floures rather ight yellow. Lets Ad small specimine; anger prants in tealant Im tall und marly as broad, Flaveria trinervia (Sprengel) Mohr. Flavaria (15)

10232 - Lent. 28, 1965 Lamplace as 10228. Stems clustered on a perennial most, Sterns and leaves conspicuousle glaricous, trustriere menish-yellow, Flowers yellar. Flaveria chloraefolia Gray (Isleminia (15)

10233- Sept 126.1863 Christialina, Maleo With acacia and other tier it of how ho in Intra Bore in the during believe Camergo and General, 22 miles south of 'amargo Elevation a want 4400 feet. Shows up to about 1 mitall, glalmous and glutinous. Hinds Discover of yellow Selloa glutinosa Sprenge Selina y

10234- Sept 29,1965 With acacia and other devint should a veneral wachy, prosite line this the levert about 16 mile, west southwest of Juneary, Elevation about 5100 feet. Thrubs 4 8 min tall. beads dull white to mich mostly 5 minutered to 1240 Parthenium incanum H.B.K 1. Chiming (15)

16235 - Ept. 29, 1925 Thinker in Welico. Roadside will in thorn- Resert Executary I miles East of Farral. Thration about 5700; Plante strictly annual. Hads whitish, with 5 small white rays. Parthenium bipinnatifidum (Ortega) Rollins Fortherin lip (22)

10236- fept, 29, 1965 Chihuakua, Matico. Moist soil around a water hole in thom desirt country 9 miles last of Farm. Elevation about 57 m. Plants Shallow noted annuals. Rays mostly 5, the basal half may the destricted yellows Part (3) Bidens ferulaefolia (Jacq.) DC. 1 (16)

10-17. 6 pt. 29, 1965 Lame plane as 10256 Plants adorous. Hera's Jalen . Rryp about, mestry about 8, or only 5 on King of Mender Dyssodia papposa (Vent.) Hitche.

Tagetieb. (15)

10233- 20, 1,09,1965 Chiharten Mexico, Disturbed Avil along the roadside in thorny Olevert country 9 miles last of tana. Desition about 5700. i anto annual. Ray maister, parents, (4)5-13, dipending and by size it the had, Zinnia peruviana (L.) L.

Zimmin p. 23)

10239 Report 29,1969 Theresa was Medica. Lame place 20/0238 Dish dark. Kayo yellan, 10-13, after Sanvitalia procumbens

(9)

- fan.

10240 - Sept. 26, 116. Chihuakua, Medico Lame place as 10238 Heads bright war igi. Ray mostly 15, or on Amaller heads as few Dysiadia porophylla (Cau) ssp. cancellata (Cars.) Stration var. co.icellata (Cass.) Strotla Dipondiala (17. 3)

10241-6190 1.29.196. Lichua, a, Million Birensit Clear in the other thong . Ihoube in the desert 9 miles sant 1, Panal Devation about 5700. Headoyeller 1. agol 3. 21, paralatinal, heraning reflected. Hymenoxys scaposa (OC.) Parker Hymensky (5)

10242- Sept. 30, 1965 Chehrealera, Replico. In their world tedges on persitie outerages in lesent Savanua la ad 27 mili south of Parral and 10 miles south of Villa Matamoros. Elevation about 5700. Heads yellow, with 2-3 short ray, Heterospermum pinnatum Tagloid - 2 34 " son lis

12, 12. Dut. 30.11-5 Samplace 20142. Plants strongly Secorece scented. Cish yellaw, Rays 0-2 undifferent heads even of the same sant, short, mostly 4-lobed, some 5-lobed Tagetes micrantha Can Tagilaid a subva. x (6)

15211/ - Lept. 30,1965 Same place as 10242 Dish arange . Kap mostly 5, hoight yellow, with a Illyer toge april at he Love have faitile, their Toler in aline mys resold Zinnia tenella B.L. Robins. W. Day (5)

1 1 - Lept - 1: -5 Chimahua l'Rédice. In thin soil around faiselve outerops in seil of Vanana land; also a roadside u. C. d. 27 miles south of Pariai, Vila Matamoros, 5700 Phyllines green with prevol tips. Heads yellow, de discitorm, with a single and species is tillate blower and several dish finens. Schkuhria onthemoides Coult. (10) Helimord

10246 - Exptender 30,1969 Chihuahua, Mexico, Pachets of sail in Cremices Blast-facing lebetic outerops in desert savanna and 10 miles south of Matamoros and 27 miles south of Parral, Elevation about 5 700. Delicate armuslo moth thin, soft leaves, Finners white, very faintly lanender tinted. tevia micrantha Stevia (6)

10 i it 1 - payet , 30,65. Chiherahus Medico. Lame Man 2010246. Dis. yellow Rays 5, white very start. rayachenes epapeose, pappers of disk ashines consisting of 18-19 ablancedate ocales, distally finbriate. Gallisaga semicalva (Gray) St. John + White Halisoga semicalua (9)

10248 - Siptem her 30,1965 Kikua hua , Medica, minica in last facing felsitic woch anterops in disent savanna land 10 miles south of Vila 1. otamoras and 27 miles south of Parsa. Ellesteen about 5 700 feet , Loosely branched, stinder stimmed show have the tall. Hadsyllan, with mostly E ray, Chromosome no det by R.C. facher as 11 = 17. Viguiera cordifolia Gray 1/14:11-12 5) - 11 manie?

0349 2 round to have of hister rach autorgs in desent Javanna land 10 miles South & Vila Matamores and 27 miles south of. Parral Chihuatura, Mich. Menatice about 5700! Items loose by clustered . . a filesens rooted couley, and disning tufts of brown inon at the bose, Flowers sink prople. Perezia thurberi Gray Portzen (7, inch. 1 al. +1) 10250

Pergmenium mendegii DC. var. mendezii



10250 lept 30 1965 Chiherahua, Martico. Lame piece es 10249. toribo mostly 4-8 In tall. Heads suntinuer yellow, with 7-9 rays. - America (16)

10251 . 1965 Drunger, Theore Loaving same was curiling 23 miles so chart of Tas Theres and Tomices southeast of Faria? ... Theatier about 600 fort. At " I dunte a sua stout to set and her weeked A are in y ascending or subject. Ray mostly 8, I men - yillam (palex Jan som flower yellow, Betlandiera lyrata Benth. var-lyrata Pinkava B. Mankiera (2)

10252 - October 1, 1965 Durango, Mexico. Same place as 10251. Stews larsely clustera. Fruits tending to spring by energing noits, river yellan, the rays mas day 21 mil 13 a little paler han the dish, soon de. Bahia absinthifolia Benth per contract of

10253-500001,1920 Dura : 199 1/201 Same plane as 10251. I auts armas from a chart taprost, Heads Servon yellow, Karpinestly about 13. Gutierrezia glutinosa (schauer) Schultz B.p.

1. 1. . e. . ? (15)

1025 - October 1,1965 Durango Mediro. In rocky alterium along a dry wash in grassy savanna Country 23 miles southeast of Las 11 ich of and To miles southeast of Parol. Elevation about 6 soo feet. Wrady - hased Acres or sind. Atrahameth The first stems . Invertionable in weath on different plants some ternes some of hem sultriblide.

Reyonary

Lie per avange toward the boxe Viguiera dentata (Car.) Spreng

10255 - 0 stater 1,1965 Came place as 100 34. Sterns coarse, aless til on a stout tap rest and branched rande & Florence mostly 13, the corolla at first whitish is achio. lencous, later dull laven Brickellia scoparia (DC.) Gray

Brichollia (10)

10256- satilier 1.1925 Drugge 1000 . Innochy, Daning admin at he edge Ja signition in graving David was Country 23 miles socitains of fas lieves and The miles southeast of 6 voo feet. Plant with a sing a stout much be suched Atten from a course ippa. couldy penermal most; chance Ancimons all from the single proof elen, Correlapure while, Kay 2. Quellus qui Guardiola arguta (Gray) Robins.

7. - - 1.18.5 Oura van Matico, In rocky Dant y accurrence along a bry worth An grossy savanna land 23 miles southeast of Fas Viewes and 70 miles south of Parral. Elevation about 60% feet ' Frants annual, cettion north a single 2 rectiff in or several according sterns. Ray 5, the distalthing gellow, I a ply limited from the orange protimal two thirds. Disk in use Pappus of 2 - re-trusely lasted awns Bidens ferolaefolia (Jacq.) DC. (10) 4/10236 Bedeus

10258 - Catalon 1.1965 Drevange is in Deriverst in Amades wieng the associate in grassy savania land 15 miles southeast in Hirago and 95 miles south-southeast of harra? - scalien about 61 m . 1. f. Semi- show to with chiefer ed, wings to stern 3- 30 Min. to. Lisk ovange, Rays orange or orange yellow, mostly about 13, occasion mlly effer as 10 Viguiera linearis (Cav.) Schultz Bip. Viquiera

10259 :- CTolow 1,19.5 In Durango, Medico to the community (near its upper Camiles) 8 2 miles last of fa Zarca. Elication about 61 00 feet. Dish yellow. Kays 4-7, most of ten 5, sersistent white, some times becoming Intender tenter inage, Items clustered on a stout taprost, forming broad low mounds. Zinnia acerosa (DC.) A. Gray Zinnia (9)

10250- October 1,1965. Same place as 10259. Heads orange, descoid Stems clustered on a staret taprost, forming broad low mounds. Dysiodia setifolia (Lag.) Robins. ver, setifulia

495

Mandia wold (5)

10261-0201603,1965 Ouvango. Milies In semi- desert some !with acaria and tree. Countin, about 17 miles is est queetheast of Dresnus Felsitic substrate. Tecration about 62 valent. 1.5-3 m, talk. Dich yeller Kree mustly about 8, purc white, 1-2 cm lung. Focally called Santa Matricolise 1 Montanoa arborescens (D(.) Schultz Marel Firen (15) 4/10 cm.

10262.000 Cer 3.1965 Some place as 1025% thrules up to at ent 2 m. callo High Lescoid golden-yellow. I reces invitey opposele, on ria metime o dans, them hunte as the upper ines al tour le. (discoid form) Verticina (15)

10263 - October 3.1965 month place is 1011 Le rules or servi- stroubes up to about 1.5 in tall. Teares firm and harch. Heads arange yellow. with short 8. rays. or sure true for ex. Pappus 1/ 2 paleaceous acre us and some short Areamelae Vigurera Cordifolia Gray V I full to platett (5)

1626 1-Ontaliens, 1964 LATER 1 10 mg as 1276/ Stems clustered an a fil mes with cauded. Thouse then and selt savily and ting, mostly opposite, on the your no 21 miles les el of them alternate, Kays i in, after 10, yellow, more sixty so toward in year. Dish yellow Pipper of 2 parentines aurus ind active beard Agripmalle iguiers dentata (Cav.) Spreng v Vist 7: (5)

10265 attoler-3,1905 Privary, " in ice. Disturbed gelsitic soil Warg the a sadside at vert 17 miles East Bouth "act I Durange, in thosy somb region, De ation about 62 miles from antershert. dired, but met place by annual. Rays 24-42, longhoffe. h-lavender. Dish yellow. Yachzeranthera gymnocephala (DC.) Shinners Machonia her gymn.

Rerymenican 13 mendenje DC. Nar. mendenju 10266

/



10266- October 3, 1965 liserango, like kero Lame place as 1026/. Should up to about In. with 5 10 valler Time? maryo. 0 P. 14. 15 ... (15)

Layer liste; clish years Sams place as 10261

Erigeron delphinifolius Willd.

ssp. neomexicanus (Gray) Crong.

aff Enig de p. (3)

1025, - 02 - 1.3. 11. Carrongo, Mexico. On felsitie rock auterous in thoon soul office about 17 miles agt southeast of Ouvaryo. Elevation a bout 6200. Low, broadly roused should up to about 5 Dr. tall, Flamers white, Stevia salicifolia Cav. 1-1 Aterija (15)

10269- Cetales 4,1965 Zacateras, Metico. In Open thom showh Community week acaria ind apprentia, un ? reight They 75 miles south of Villa Preiva. ation about 1000. Small plants = evect; la voir ones decrembent. Rays mustly 5, autists deer la tribated. Dish agel liter . Tridax coronopifolia (Kunth) Hemsl. 1 11004 15

10770 - act has 4,1965 Lam, since 1/10/69, Lants slightly rusphitic. received gulen, the Limb white, Stevia micrantha lag-Xine 15)

10271-October 4,1965 Lam play as 10169. Flantsarometic. Ka:p5, orange, marked with remulion was the me. Dich varinge, Tagetes patula L. //

10273- actober 4,1965. Same place as 10269. Should or half should 3-10 dm, tall Leaves a seculiar bright gray green. Corollo limb white, the tiple somewhat lavender tenter. R. E. Jacksense no. det. ley Stevia salicifolia Cav.

1 toni in

10:13 - Clate (1965 Saint place is 10269. Shoules 1.5-3 m. tal. Rays 5-10, utten 8, purlate, to die long Distiguellaros trange Al carale Perile are frame vigo in young durity. Montanoa leveantha (Lag.) Blake Montage () ()

In your Change the 4, 1965 - momenty with icrain a a reage 11 miles south of Viler Trevo Elevation about 7 Belt. Tall should about 8m tail, Leaves opposite. on - one of them a town to . who led. Heshsyellow, with 5-10 rays. The Large icare: an from nigo view you is shorts. liquiera quinqueradiata (Cav.) Gray Vignien

10275 - October 4, 1963 Zacottery, Michies. Moist, low ground in destructed sites in had tryetal decideous is not a miles south of Jalpa, along 4600, Le lected Amal Applainers; werly I m. a Ch. K. eys 5-13, yellow resent. Melampodium perfoliatum (Cav.) H.B.K. Polymers.

10276- October 6,1965 Jalisco, Mediro : open places in Aarenna region 17 miles morth of Ixtlahuacon de! Rio, and 48 miles worth of Greation Stevation about 5000 feet. Coarse herbs with according e. Agrawling to Coastly ence to the contract of 2 m tall. Heads they large with 222 regering and 13-24 Tiller rays there 3.5 6 in. pachycephala (Dei) Hemste 10, inch 3 short;) Vignus salata

10777-20061-61100 ichico, Makico. alanga small strom in Ravanna region 1 / vertes north of Ixtlanuocan in. Ris, and 48 miles morth is decodajora, Elevilor about 5000 feet. Weak should growing up among Reacise, toll apentias and trel parmets. when many a height of 3 m. Dad one of jellen, Pappur 1 à parente au and Rhysolepis palmer (Gray) Blake Viguera (5)

1,0278- actober 6,16:5 Holisco Mexico. Weed is renda comfield : - Asvama. Agion 17 miles oritin Ixtlahuacan del Ris, and 40 miles north of Guardagnew, Clevetien when 5000 feet. Stems several on a shurtbeed permial and. winds wange, totale Traily 5 mays. Dyssodia tagetiflora Lag. Tage to ()

1, 5279 - actalus 6.1965 Julisoo, Medino Weed in com field in Acuanna Country 17 miles n. of Ixtlahnacan del Rio and 48 miles north , Guadalajara Elevation about 5000 feet. Bracks blood red. Castilleja arvensis Cits. det Noel H. Holmquen Ungli Miga D

10200-00 to la 61/16 Jalisco, Medico. Weed Same place as 16 2 78, Cays my Store, 2-5, ment arununly 5, Melampodium sericeum Lag. annual and (14)

10031-00100.006,1965 Lampine (as 10278. Lays 5 meny short Je Clow, White is accord a Luca feet it Pectis prostrata Cavi (3) Tagetrid

10,250 actalen6, 1969 Assisso, Lie, In sanauna cucentry, wirging to subtropical decidence barty 13 miles northers Ixtlahuacan del Riv. End 44 miles north of Guada ajava. Mustin about 5880. is and A how beg in much well my walnut 6 is all ind 4 dry thich it he hase rough bashed, market Solt words Heads yellen; ray westral 5, or some. turnes up to 8 feares appointe, a. (any)

bram nigning young shorts.

Viguiera quinque radiata (Cav.) Gray

Viguera c/100 1411

Julives dien In open out - fireyers in what 9 miles worth of Ixtlahus an sel Mis, and 40 miles worth of Quadalojana El nation about 6400. It ins colitary (seldom several) une literus. rested - Florers white Kroundy Andle # 102 stevia serrata Cav. and perhaps be bridinging withit, congretely some

specimons with more hersute of the us, but no certain F, heylerido Alon Stevia thombifolia HBK.

L. ... 6

1905 falises likelies, Samuelace es 10283. Sterns clustered as folitary, and believes rested inour. Flurers in lite, Graming with # 16283, and perhaps hybrid - 7 is ing withit, but no Certain Fo hybrids sley, Stevia serrata (S. rhombifolia HBK.,)

10235 - actober 8, 65 Jalisco Midico, in a supage area in Oak - Juniper woodland 9 miles moth of Ixtlahuacan del Rio, ind 40 miles north 1) Greatalajara Sterns trany or several, : om a febrous-rooted Covering places on butes Stevia serrata Cavi Stewn 3

10286- actilia 6, 1965, 1= lunero matite, It ins solituney. Cacalia (Odontotric nium) Sinuata Cery. Angelia (5)

1026) - October 7,14 4.6 Jo liver, Mistiro. Incanna country 23 miles southwest of Guada ajara Devatisa about 5200 feel. Stems soliting or pained, Atout, 2-3 11 tali Basalleaves setate, subsqually close ille mi (alexy beyond); ever in line leaves pertality " ate, cleft, the others much reduced. Flowers na lite. Cacalia (Psacalium) megaphylla Robins + Greenm. rapplia (7) VV

10288 - October 7,1565 falisco, Mexico along force- rows near the south shore of take Chapala watered 42 road miles south 1 Gradaings va. Elevation about 5100. Rather coffenonale strubo up to colour 4 m. Acc. Rays white, mostly 5 a to The detacked Larger Backs with some Riceins an from wigonines coming should Montanoa xanthistolia Scholle Bip-

10239 - Cetalin 7.110slives, medico. along the or addide use the south The of Sahe Mopalay 48 miles Douth of Gundalajava. The atim interit 5100 Sterns 8-20 day tall, aluster dema felorus. most of carelet, shouldry for afthe law som when exhartenes. I cares Execte estle upper ones it me to. Dish con ugo. Karp yellow, mostly don't 13. les besina sphaerocephala Gray Varherina (15)

10290-October 7. 115 Jaliero, Michies. along the roadside. in 0289. Plantsammi up to at wit I mission Rayer Community alimit 13 or almi List well a tra wed in age, Simsia adenophora (Greenm.) Blake Lunia 5)

June plan. 12: 10:87. Plants about 5 200. to light ending forward Le man let also me and of and or of a real part Zexmenia ceanothifolia Scholtz Bip.

Vigorissida for the

11 292 - actober 7, 1965 Michoacan, Mexico. In problets of soil along moist, felsitic cliffs overlooking the southeast shore of fake Chapala, 4 2 miles east of Cojumatian. Elevation about 5 600. Plantsannual, single stemmed. Heads orange descoid. Bidens bigelovii Gray var. purplensis Scherff Bidens (3)

10293 - actober 7, 1965 Michoacay, Mexico Open, thom - brush slopes & miles west Sahuayo and 6 miles east of Cojumatlan Elevation about 5900. Plants perennial, with chestered stems 10-18 du tall, appearing semi-shrubby, but the stems apparently dying tracket back to the ground each year Heads yellan, with (13)16-25 rays. Viguiera linearis Eug.
Vigneriaid (5) B:p. (Cave) Scholtz

10294- October 8, 1965. Michacan, Medico. Swalesin pastured thorn-savonna in subtropi. Cal decidenous forest 3 one 27 miles east of Jung Jiquilpan and 10 miles west of Zamora, Elevation about 5600. Rays 8 or not infrequently 9, deep arange, with paler, more orange-yellow merging. Zinhia haageana Regel 2 innia (6)

10295-October 8,1965 La fame place es 10294. Stems up to about 2 m. tall, clustered on a fibrous rooted coming deusely brown - woolly at the base. Flawers relite, sometimes faintly lavender tintel. Perezia reticulata
(Lag.) Gray Pergides 16

10296-October 811965 Michoacan, Medico. Pastured thom - savanna in subtropical dendury decideous forest 3 one, also a roadride weed; 27 miles east of Jiquilpan and 10 miles west of Zamora, Elevation about 5600'. Hends disciform, avange. Both outer and inner pappus scales disserted into Dyssodia porophylla (Cam)Con var. porophylla Dyssodioid (4)

The can Merico pine mention of in the . 181, 25 mily each southerst if Zamera. El nation about is so fi t. Kays mustly 5, I carry notched, de portage itomand she 12 2 Mark mary yellow Laward the surery Tagetes heterocarpha Rydb.

Training)

10: - October 8, 1965 Michaelm. , ichino. invitation of live in open pine-ont insualous in the mite . 25 miles in f - southeast of Zamora, Denation about 2500 1 2 its persual ileliante somewhat where u A- his was with loosely sacraping otems, Jane Kenyle 1.3.5. foliate. Kay mittle 8 purple. Atriped on ment lawreder franks were Districted Bidens aequisquama (Fern.) Scherff

1 - Cettile 8 190. . . . 2 mesan, little o. On stop , rocky works and north fait slopes in Ist pill washand in she anto , 25 miles instsoutheast of Lamora, is ation about 66 in. Lhow ho D. 3 m. Tall, Kings ejector, about 13, 6 26 man in the Verbesina Sphaerocephala J 1/2 rheerina (5)

1034-2-56 8 1905 Mitcheson, Withers. Lamplace 40103 ? 7. Line solitary or plan. le 1 220 2 febrous routed Everen, Flaner perople. Eucatorium pulchellum HIB.K. 1/11. in (3)

12/11-0-Til. 8. 15 " Mejero. Il in piane it is in . Toma lassily is inding ing to wearly 2 mitalle exchalle has havines , or and the base, I was were marying from Kole 1 divito more of time Last le relaist grown, Westerner or According much mostly about 13 cirlians 72 ye Vigurera excelsa (Willd.) Benth. + Hoder P. Vignor 6 V

1 2300 ac x 3.1945 Michoaran, Mexico, In open out mais in The with al rest a miles recent of Langen 1 & 5 3 miles west illiandia. Qual 1_ alay 1 280 dennes about in tainfug which 18-27 5 2 2 3 1 3, unmante 1.5 las day · . /// : Montanoa arborescens (D(.) V Scholtz Bip.

10303-6-6-1 2020, 200. Title - Squerites is and was row maplanted to to he and a seal is a month 6 3 - 7 mile: " 2021 6 Morelia. Elevation about 6600. it couts ironest. about acoust is result con freda nather ing the or the con Castilleja tenuifolia M. + G. det. Noel H. Holmgren 12 (12)

10304- October 7 195 fame place 1010313. parel in the with Hesterid, Robert mostly 5-2.5-m. Eall. Calle declaring to 3 or 4 day wide . stade of their 17. 12: 10 1 1 1 1 10.16. Senecio heracleifolius Hemsl. and the second second second

10305-11/2 9,1965 Hilliam an it ises. :: * slope an The aportie Domania (potential forest Eams. A a low summent 6 on 7 miles last of morelia. i alean about 6600. Flane white Cacalia (Odontotrichium) sinuata Cerv. inalia 16)

10306 25 lug, 1765 Trel-Cepuntia rama intential forest land) at a larva commit is -1 ville is of Morelia. Elevation about 6600 . Time chestered, on casional un colitary in a filerand - moteral Cracero, Flowers Creek, Stevia eupatoria (Spreng.) 21. (2)

10307 - 26 9.110 Phil she was listice. franciplant as 1500 6 wall shorts about James Baner : bright Ageratum corymbosum Zuccagn. (15)

10338 - October 9, 1965 Micheanan, Maken On an stim moust tranks in vale-pine and organ a her was Hand 23 min 2ast of Morelia, monte 3 / 2 / 3 3 Resy 5 e hite; kickyellan Sabazia humilis (H.E.K.) La luca. 15"

10329-1 6649,1965 Langelores to 300. Parts as dralles lever one an chamber at the hase, Rays movely about 8, while . Dichylan, Bidens pringlei Greenm Bidens (2)

Michigan Cottolica In amoist awards doin a said by Fines and Ilize in the mits, 29 miles east it it is Thust about 8500 Planter hilly - 12 harden re often shoully freeze it is the loosely at they are sent them for the same of the same. Her Millow, with estil (suran E) my Bidens ostruthioides (DC.) Schultz Bip. var. ostruthioides Scherff

10311- 20 Cole 10.19: Winternan Street Me or specifique and litaliza fere - jer mati to give in the m's about 35 miles sact of Morelia. Eleva tion about 9400. Laft resulted & kreebs repetition to the Cl. Heads yearlow, with about 13 mayor. Senecio stoechediformis DC. Severio storch, (6)

1. 5 section with Rive-fir farted olgion in the mit, who it is will Lasto, Elevation it and quan, Roys miller 5 yellun, verysland Tagetes foetidissima DC.

177 2 - 6 3 July 10. 1265 Michoson withou Taling at again and dill attitude on common and in pint- fer fusint r gisnintle ist, int 35 miles and a series. Tration about 1400, Lotton andid whenly ar half church up calout , w. Tall. Headsyellow, with mostly & rays. Coreopsis rudis (Benth) Hemsl.

12 4 Contaber). ... Will war and Meders On stap hands and call in come on subtress ment diceruseus forest region I miles southeast recent Hedring, we tron about 5 900. Half show by trabant Im. tall. Ray vather light yellow commonly 5, sometime 10, best. in we Blake Simsia grayi Similar (2):

10315-02-11/10:10 Malinesan, Mideco. Openings in Authorical Lechens Love to country 7 miles suit heart Circo of Hearings, Elevater admit 5900. Rather soft-wooded should up to about 3 mitall, Rays white, mostly about 8, bich yellow. The large de tacked a rues with some Aji. " willing and brown in garana during shoots. Montanoa arborescens (DC.) Schultz 111 Janea (15 1) Bip.

Michaean Duca, (am place as 10314, Kather soft - mocked Should uptraling 3 in tall. Heads yellow Lisevil or will love short ray, Vibesina on manii Who v velass. Levelsin 5)

103155 ant. 11.1965-Mexico, Mexico. In the passagal at the suth edge of Mixins City a mile bigand de Ciredad Anie isitaria Senation about 7600! sparingly branched Should about 1.5-2 mitall. Flavors pale land when Lagascea rubra H.B.K. 1 muca (9)

103/61-0200 10-11/16: Savispelaes as 10315. Planets anneal. Flaners rhite, faithly Lower her tintes. Florestina pedata (Cav.) Cass. Flancotina (15)

10. 7 20toler 11,1965. Lavid polars a: 10319 Skrubs 1-2 m. tall. Rayswhite, mostly 5. Cish while Montanoa floribunda (H.B.K.) Schultz Bip.

Montonoa 12

10, - Cetaler 11, 1965 Laminiacoas! 33 5 -Herbs about 2 m. tall, the stems contented on a fibrares - rooted have. Leaves appoint below, after note about, Heads I low with mostly 19-13 vays. Vigorara adenophyla Blake -the main =)

10319 - October 121196= William, Medico Law place ax 10320 Drok where Many white nother shout 0-5, The recent has congress Della gar Variant, Sant. Cosmos parviflorus (Jacq.) Pers. v . / Bikens (5)

10320 CETTALEN1211965 Medino, Whater in disturbed seter on mountain alogely 18 miles south 15 Mexico City, wear the boll highway to mernavaca, Sie adout 7500. Habout Clury, 1 dep 18 31, . p. n. pape 1211 7/// Heterotheca invoides Cass. Hetinotlina Ti

10371-2.2. Landyla . Africa Mildero in decident and. flowing 18 miles south of Medero City, along the free road to Cuernavaca, Elevation about Weak half shows has than In, tall. or relating meantly. Castilleja Tenuiflora Bentl det, Noel H. Holmgren Carllein (4)

3 - - O-etal 3,1965 Lugar, the reduced in Skart at energy Call, I though a so the Stevia nelsonii Robins.

Million the Was Il reger more surales I to minty where-Commanded his big sway and and marie final only the vanious of Is al should trules south of Mitter City Elevation , haut 9600, Attend " restered or volutory rains felinous contes 1381 1-211. 211. 1/2 and Senecio bresteatus Klatt V/
Senecio bresteatus Klatt V/
1221/ Perhaps better referred to
Cacalia
Canalia

105. 1 1 Telien 12, 17:3 Her Medero. conganic soil in fraising dans agents in por miles - type worksame in aim near the summer of the with there was the i, and Cuernar ara, elector and the south Williams, Court Therest Tors. Parte when undicational and train ostens rooting is de, Marine State of the state of th ordens anthemoides DC. VI

pol 10 ... Intiin i material and prompasteggi and esuice enterior of a title like, Kay 2 - 8, cam manles Emiliater lienerth, usus li, white word, Sabazia humilis (H.B.K.)
Cass.

Aglacia wit reales (13)



7/2 apan el Alto enter Michoacan 161.9 169.9 - 1.2. Cohumatlan 176.5 82,2 Via 81.8 Sahreago 72.0 Jiquilpan full collecting 218, Zaveren 1 - 1

idaly full. 392,0 Collecting 399.0 Ziteraro

Parrol 54.5 "jet full" 58-2 Villa Materiario 72.0 Villa Ocampont 9516 las Miens 302.8 answert 324.8 333.7 Villa Hidalgo Viquein 345,2 361.5 fa Zarca Zinnie 69,65 Mapini 419.7 458 tonler 464 full 1-18 Cuencaml Verbonis Fran. mal

neverezz collecti Zaratua ful 0 pot. 309 10 to 60 8350 Villa Mueva 8421 at collecting 892. Julpa plolymnia 911.8 996. Gread 550 15004.1 top 1 barranca de1 Ris 627. Tx+lahuacan -43.4 turn would £ 47.2 And Mig 6400 051.0 Showins 95.5 093.0 Gread full 22,9 Il Molino

